

Datasheet Gel Type VRLA Batteries

12V 25Ah

1. Physical Data

Box Data

Battery			CHG		Version	max length	basic length	max width	basic width	Lid height	max height	Weight
Type	V	C ₅	cond. Series	Ter- minal								
GF	12	025	Y	G		197	191	132	128	160	180	11,1

Tightening Torque Values of connectors to Terminal
Flat for M6 Screw

6 ± 1Nm

2. Performance Data

Discharge rate	Capacity	End Of DCH Voltage DOD		Effective DCH Time DOD		Energy Density		Power Density	
		60%	80%	60%	80%	[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
[h]	[Ah]	[V]		[h]		[Wh/l]	[Wh/kg]	[W/l]	[W/kg]
20,0	28,0	2,01	1,98	10,7	14,3	83,7	30,4	4,2	1,5
10,0	26,5	2,00	1,97	5,7	7,5	78,8	28,6	7,9	2,9
5,0	25,0	1,98	1,93	3,0	4,0	72,9	26,5	14,6	5,3
3,0	22,8	1,96	1,89	2,0	2,6	66,1	24,0	22,0	8,0
2,0	21,0	1,93	1,78	1,4	1,9	59,3	21,6	29,7	10,8
1,0	17,5	1,90	1,63	0,9	1,0	48,4	17,6	48,4	17,6
0,5	14,7	1,57	1,57	0,5	0,5	39,6	14,4	79,1	28,8
0,2	11,0	1,40	1,40	0,2	0,2	29,3	10,6	146,4	53,2

Typical values after 20 - 50 C₅ cycles at 30°C

recommended max. Load *) 50 A

*) With appropriate counter contacts only

Cyclic endurance according IEC 254-1 450

Temperature Regime (Depending on DOD) -20 °C up to 50 °C

Typical Operational Temperature Regime 5 °C up to 40 °C

3. Charging

Charging Profile(s) IU1a

according EXIDE Technologies Specification

Fast Charge Possible

We reserve the right to discontinue or change specification
any time without notice or obligation